

REMARKS

The Examiner's action of September 29, 2009 is noted in which the claims are variously rejected under 35 USC 112, first paragraph, and 35 USC 103.

It will first be noted that the offending language has been stricken from Claim 1. Therefore removal of this ground of rejection is requested.

Secondly, Applicants have provided new claims to more adequately claim what Applicants regard as their invention.

At the outset it will be appreciated that nowhere in the Andrews et al. patent is shown or taught bent dipoles. In point of fact at Col. 9, Lines 9-13 it is said that all elements (100,105,110) lie in the same plane. Therefore in no sense can they be said to be "bent" and in fact the Andrews et al. reference teaches away from this feature of the claimed invention.

Moreover, neither of these two references teach bow tie antennas.

Further, as to Claim 12, nowhere is shown or taught in any of these references the use of absorbing material. Nor would it be obvious that anyone would want absorbing material in an antenna.

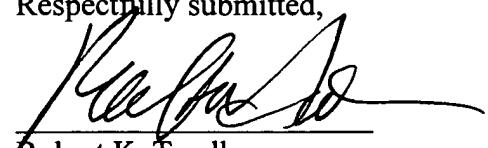
Thirdly, none of the references cited show or teach a cavity.

As to the Luen reference, again there are no dipoles and in fact no bent dipoles. Moreover, there is no cavity. It is noted that embedding antenna elements in plastic or conventional circuit board substance such as glass epoxy with high dielectric constant does not constitute a cavity. Thus nowhere in the art cited is there any discussion of a cavity.

For these reasons it is Applicants contention that the claims are free of the art cited and are not obvious.

Allowance of the claims and issuance of the case is therefore earnestly solicited.

Respectfully submitted,



Robert K. Tendler

Reg. No.: 24,581

65 Atlantic Avenue

Boston, MA 02110

Tel: (617) 723-7268

Date: November 23, 2009